

DIGITAL FORMATTER FOR 3-DIMENSIONAL DISPLAY APPLICATIONS

ABSTRACT

5 A 3-D digital projection display 60 that uses a
quadruple memory buffer 63-66 to store and read processed
video data for both right-eye and left-eye display.
Video data is processed at a 48-frame/sec rate and readout
twice (repeated) to provide a flash rate of 96 (up to 120)
10 frames/sec, which is above the display flicker threshold.
Data is synchronized with a headset or goggles with the
right-eye and left-eye frames being precisely out-of-phase
to produce a perceived 3-D image.